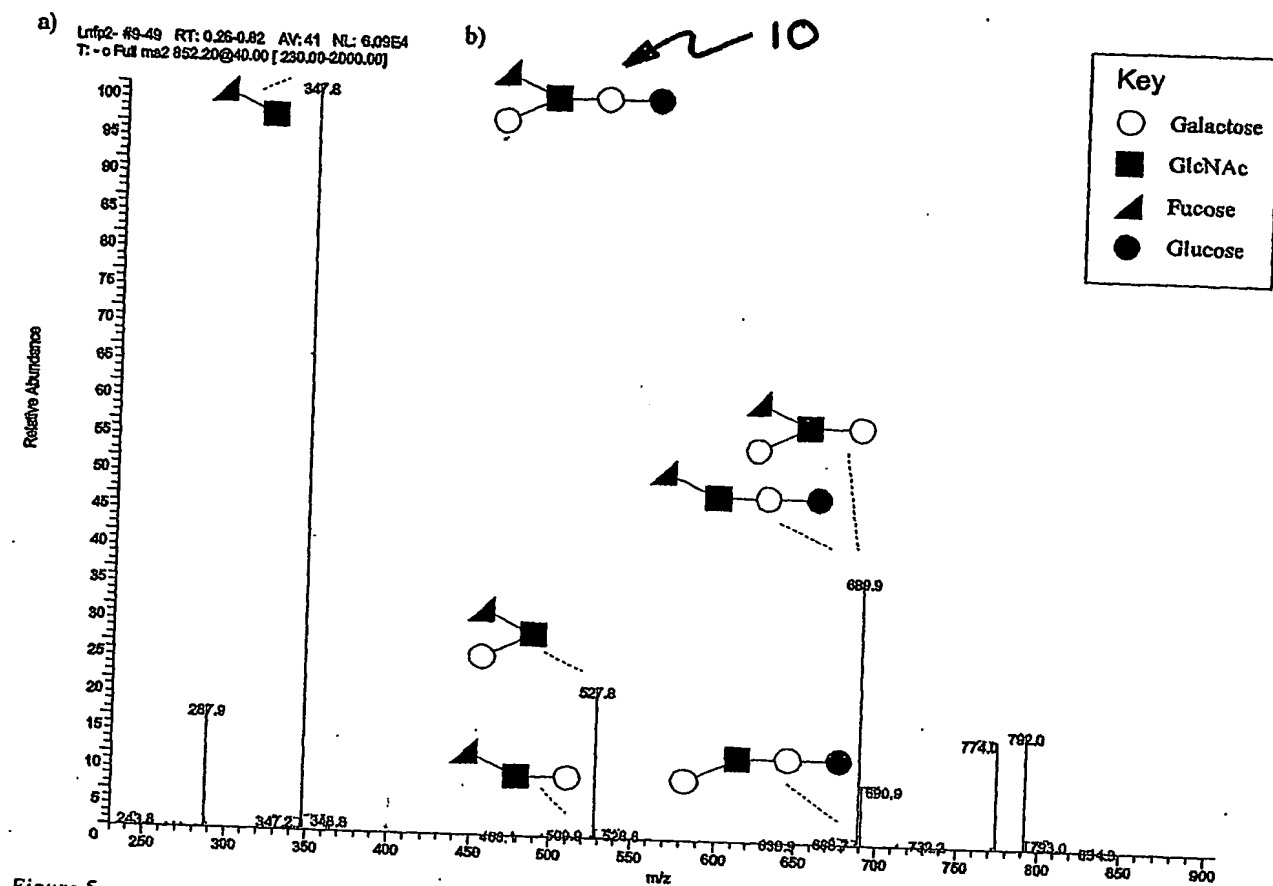


Fig 4



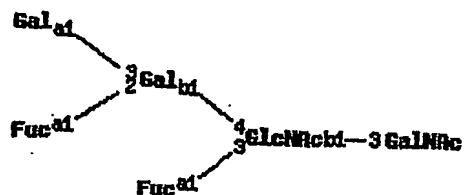


Figure 6 Oligosaccharide structure

cybm11b_o_01 #352-378 RT: 14.12-14.60 AV: 4 NL: 2.20E3
T: -o d Full ms2 1041.26@40.00 [275.00-1055.00]

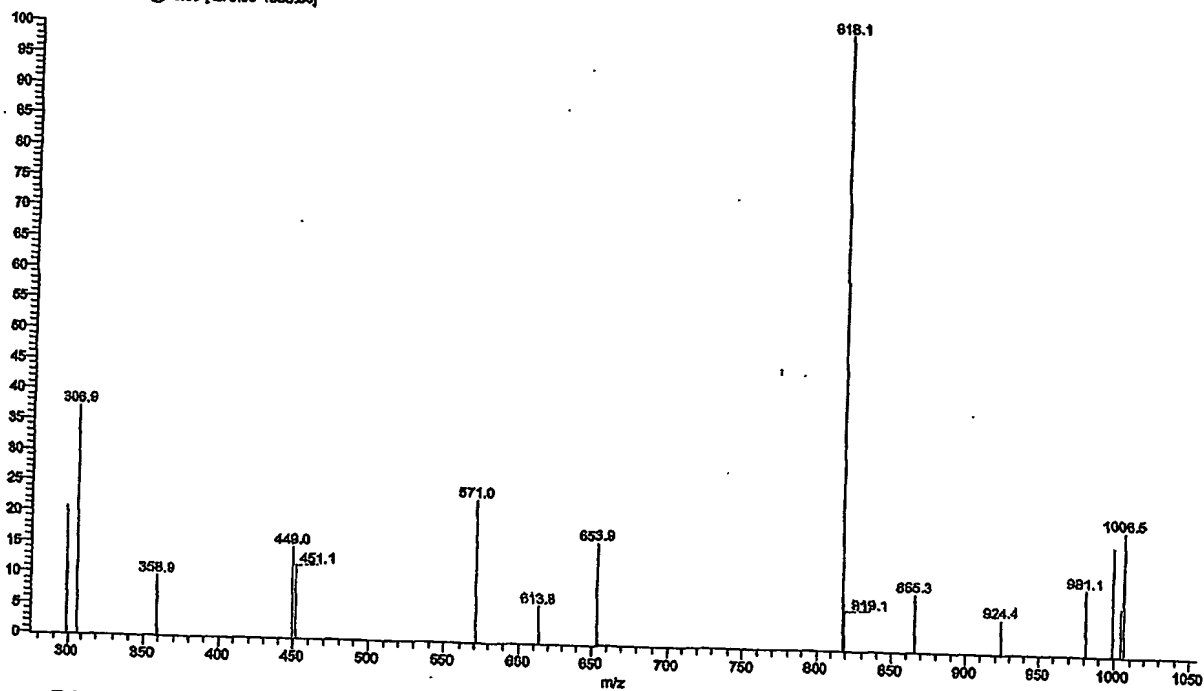


Figure 7 Spectra for oligosaccharide shown in Figure 6

Score	Missed intensities	Grouping score	Structure
.8	123.6	5 out of 5 using 4 double fragments	
.8	156.32	5 out of 5 using 4 double fragments	
.7	141.82	4 out of 5 using 2 double fragments	
.7	147.65	4 out of 5 using 2 double fragments	
.7	162.15	4 out of 5 using 2 double fragments	

Fig 8a

Score	Missed Intensities	Grouping score	Structure
.65	266.98	4 out of 5 using 3 double fragments	
.45	286.4	3 out of 5 using 3 double fragments	
.4	278.51	2 out of 5	
.35	232.08	2 out of 5 with 1 double fragment counted	
.35	232.08	2 out of 5 using 1 double fragment	

Fig 8b

Score	Missed Intensities	Grouping score	Structure
.35	235.24	2 out of 5 using 1 double fragment	<p>Fuc_{a1} — 4 — GlcNAc_{b1} — 6 — GalNAc₃ — Gal_{b1} Fuc_{a1} — 2 — Gal_{b1}</p>
.35	235.57	2 out of 5 using 1 double fragment	<p>Fuc_{a1} — 4 — GlcNAc_{b1} — 6 — GalNAc₃ — Gal_{b1} GlcNAc_{b1} — 2 — Fuc_{a1}</p>
.35	241.07	2 out of 5 using 1 double fragment	<p>Fuc_{a1} — 2 — Gal_{b1} — 4 — GlcNAc_{b1} — 6 — GalNAc₃ — Gal_{b1} Fuc_{a1}</p>
.35	255.57	2 out of 5 using 1 double fragment	<p>Gal_{b1} — 4 — GlcNAc_{b1} — 6 — GalNAc₃ — Gal_{b1} Fuc_{a1} — 2 — Gal_{b1}</p>

Fig. 8c

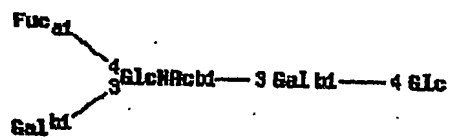


Figure 9

Info: 49-49 RT: 0.28-0.82 AV: 41 NL: 6.08E4
T: -o Full ms2 852.20@40.00 [200.00-2000.00]

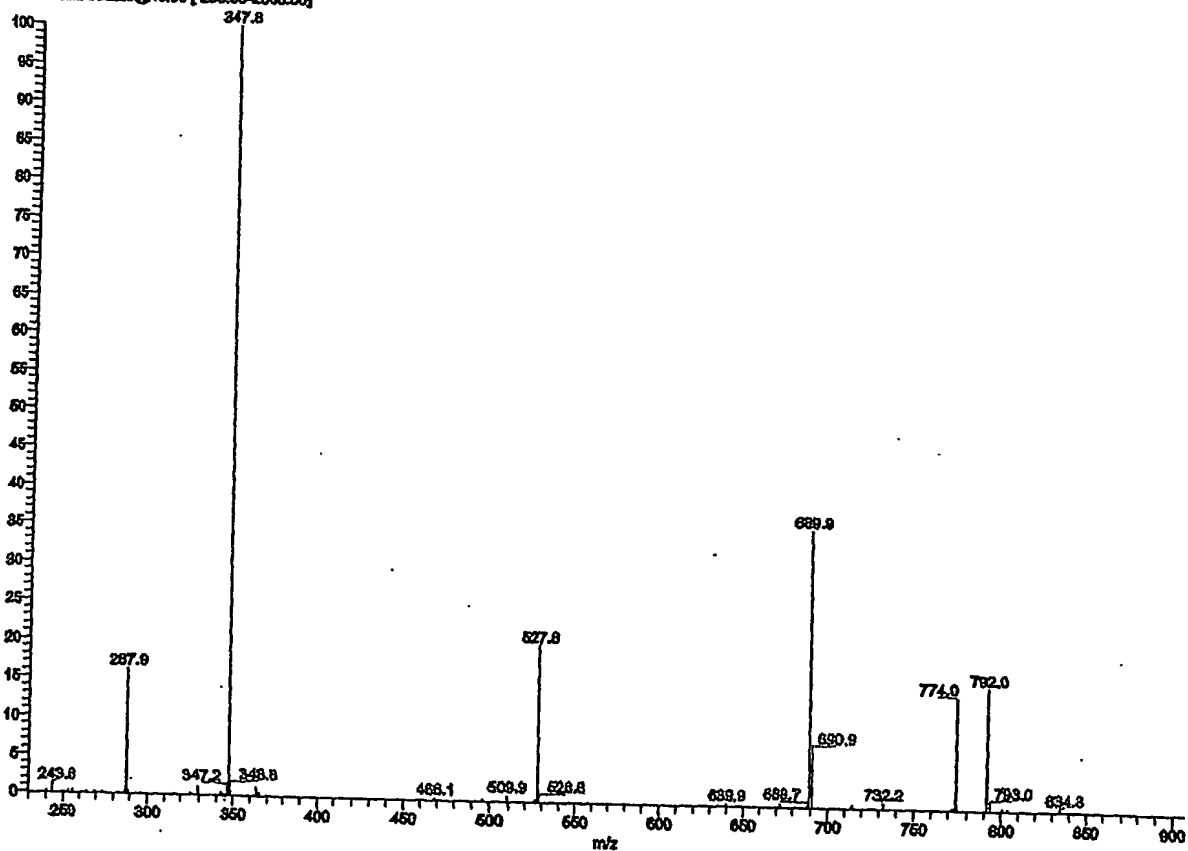


Figure: 10

Score	Missed Intensities	Grouping score	Structure
1	29.91	4 out of 4	<p>Fuc_{a1} ₄GlcNAc_{b1}—3 Gal_{b1}—4 Glc Gal_{b1}₃</p>
1	131.43	4 out of 4	Fuc _{a1} —2 Gal _{b1} —4 GlcNAc _{b1} —3 Gal _{b1} —4 Glc
1	131.43	4 out of 4	Fuc _{a1} —2 Gal _{b1} —3 GlcNAc _{b1} —3 Gal _{b1} —4 Glc
1	131.43	4 out of 4	Fuc _{a1} —2 Gal _{b1} —3 GlcNAc _{b1} —3 Gal _{b1} —4 Glc
.9375	124.3	4 out of 4 using 1 double fragment	<p>Gal_{b1}—2 Gal_{a1} ₃Gal_{b1}—3 GalNAc Fuc_{a1}₂</p>
.75	124.87	3 out of 4	<p>Gal_{b1} Gal_{b1}—3 Gal_{b1}—3 GalNAc Fuc_{a1}₂</p>
.375	190.01	2 out of 4 using 2 double fragments	GalNAc _{b1} —4 GlcNAc _{b1} —3 Gal _{b1} —3 Gal _{b1} —4 Xyl

Fig 11.

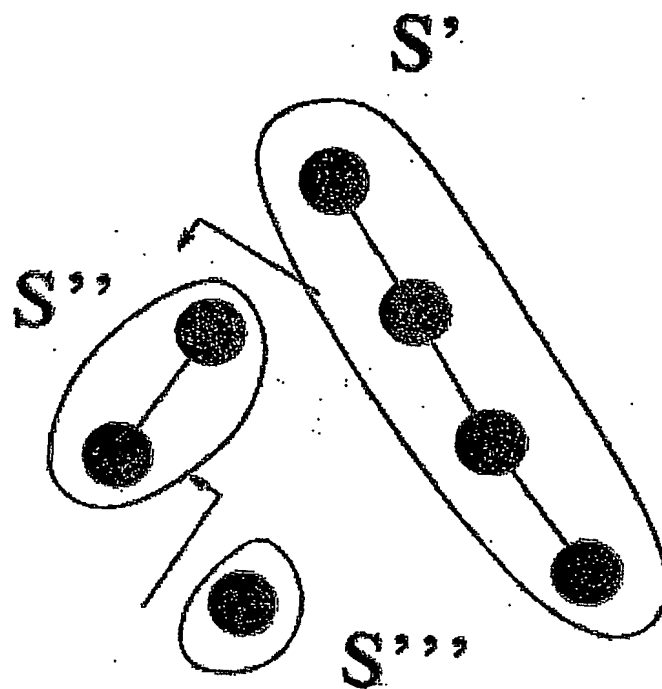


FIG. 13

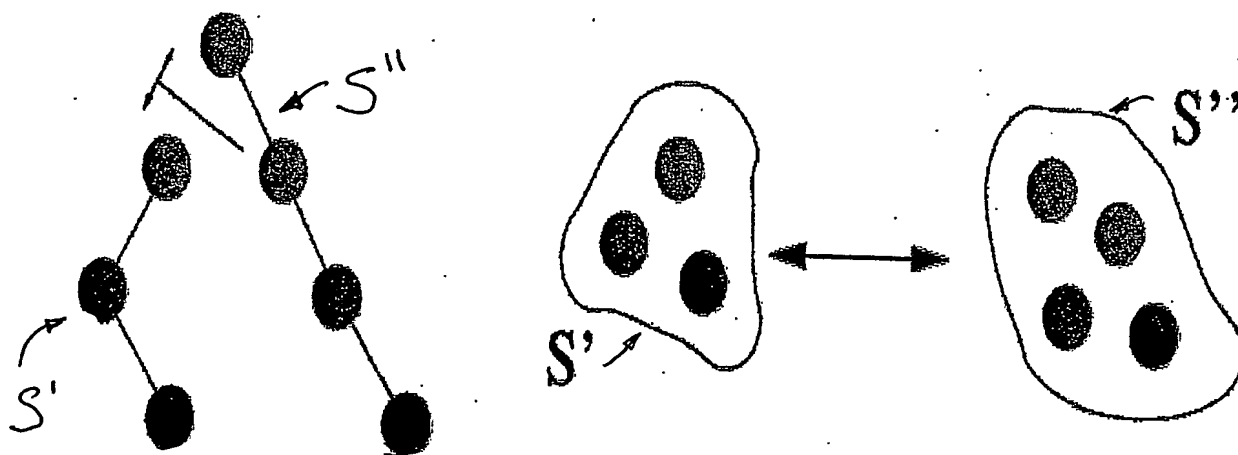
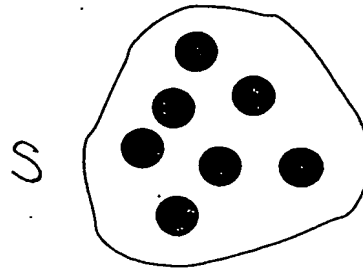


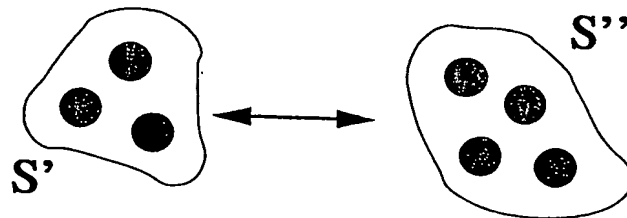
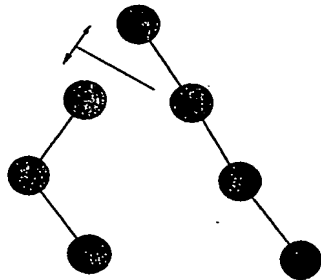
FIG. 12

Fig. 14

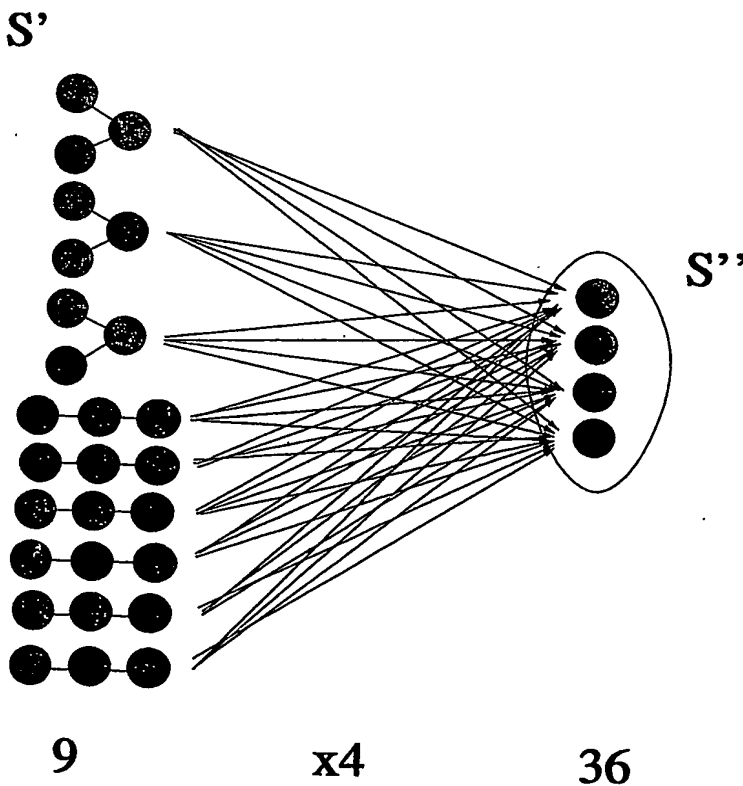
a) No evidence



b) Single fragmentation



c)



$$x64 = 2304$$

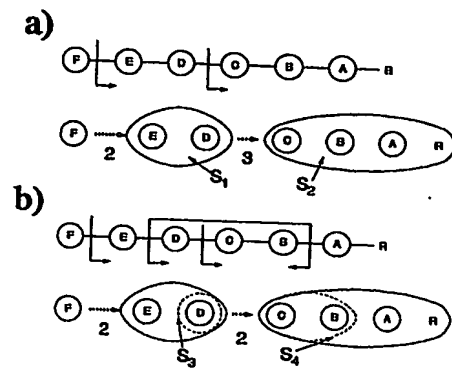


Fig. 16